

SIERRA 09/04/12

Aircraft:[SIERRA](#) ([See full schedule](#))**Flight Number:**

69

Payload Configuration:

Surprise Valley Magnetometer

Nav Data Collected:

No

Total Flight Time:

1.4 hours

Submitted by:

Mark Sumich on 09/04/12

Flight Segments:

| | | | |
|---------------------------|--|----------------|------------------|
| From: | Cedarville, CA | To: | Cedarville, CA |
| Start: | 09/04/12 14:55 Z | Finish: | 09/04/12 16:14 Z |
| Flight Time: | 1.4 hours | | |
| Log Number: | 12R010 | PI: | Jonathan Glen |
| Funding Source: | Thomas Wagner - NASA - SMD - ESD Cryosphere & International Polar Year | | |
| Purpose of Flight: | Science | | |
| Comments: | Yesterday was spent debugging some data management and fluxgate magnetometer issues. The magnetometer was replaced. Today's flight plan included a course around the entire perimeter of the valley and east-west transects from Cedarville north. Chase flew over from Alturas met up with SIERRA already airborne. After more than half of the perimeter flight line was completed, data from the magnetometer ceased. The aircraft was commanded to RTB and a normal landing was executed. The issue is under evaluation. | | |

Flight Hour Summary:

| | |
|---------------------------------------|---------------|
| | 12R010 |
| Flight Hours Approved in SOFRS | 20 |
| Total Used | 15.32 |
| Total Remaining | 4.68 |

12R010 Flight Reports

| Date | Flt # | Purpose of Flight | Duration | Running Total | Hours Remaining |
|--------------------------|-------|-------------------|----------|---------------|-----------------|
| 05/01/12 | 64 | Check | 0.7 | 0.7 | 19.3 |
| 05/01/12 | 65 | Check | 0.92 | 1.62 | 18.38 |
| 09/01/12 | 67 | Check | 1.3 | 2.92 | 17.08 |
| 09/02/12 | 68 | Science | 3.1 | 6.02 | 13.98 |
| 09/04/12 | 69 | Science | 1.4 | 7.42 | 12.58 |
| 09/05/12 | 70 | Science | 3.9 | 11.32 | 8.68 |
| 09/06/12 | 71 | Science | 4 | 15.32 | 4.68 |

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

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